

STATUS OF CLAIMS

The following is the current status of the claims in this application. This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method of making cellular cores suitable to use of wood comprises the steps of:

1) providing a plurality of ribbed plies, ~~said ribs having free edges~~, each ribbed ply comprising a flat ply having first and second flat sides, and a plurality of flat ribs, said ribs having fixed edges secured to the first side of the flat ply and opposite free edges;

2) creating a stack of said ribbed plies by adhesively attaching said ribbed plies together with the second side of each said ply ~~of each of said ribbed ply~~ against said free edges of said ribs on an adjacent ribbed ply; and

3) creating said cellular cores by cutting slices off said stack of ribbed plies, cutting perpendicular to said ribs.

2. (Currently Amended) ~~The method of claim 1, limited to~~ A method of making hollow cell cellular cores, comprising the steps of:

1) creating a plurality of hollow ribbed plies, the ribs of each hollow ribbed ply having free edges, using the following steps:

a) providing a plurality of plies;

b) providing a first plurality of ribs;

c) providing a fixture of holding a second plurality of said ribs, selected from said first plurality, parallel to each other with one set of edges of said second plurality of ribs in a flat plane and exposed above said fixture;

d) installing, for each of said plurality of hollow ribbed plies, said second plurality of ribs in said fixture;

e) using adhesive attachment, attaching one of said plurality of plies to said exposed edges of said second plurality of plies;

f) allowing said adhesive attachment to cure; and

g) removing each of said hollow ribbed plies from said fixture;

2) creating a stack of said hollow ribbed plies by adhesively attaching said plurality of hollow ribbed plies together with said ply of each of said hollow ribbed plies against said free edges of an adjacent one of said hollow ribbed plies; and

3) creating a plurality of said hollow cell cellular cores by cutting slices of said stack of hollow ribbed plies, cutting perpendicular to said ribs.

3. (Withdrawn)

4. (Original) A method of making a core for building panel, comprising:
providing a plurality of ply sheets, each having a first side and a second side;

providing a plurality of ribs for each ply sheet, each said rib having a first edge and a second edge;

supporting the ribs for each ply sheet in spaced-apart parallelism, with the first edges of the ribs contacting the first side of the ply sheet, and gluing the first edges of the ribs to the first side of the ply sheet so that the ribs project perpendicularly from the ply sheet in spaced apart parallelism, with their second edges substantially within a common plane that is spaced from and parallel to the ply sheet, so as to produce a ribbed ply composed of the ply sheet and ribs;

stacking the ribbed plies with the second side of each ply sheet in contact with the second edges of the ribs on an adjacent ply sheet; and gluing the second edges of the ribs to the ply sheets they contact; and

following completion of the stacking of the ribbed plies, slicing the stack in a across the ribs, so as to create a plurality of cellular core members, each composed of the sliced plies and ribs.

5. (Original) The method of claim 4, further comprising:

providing a fixture for holding the ribs parallel to each other with the first edges of the ribs in a flat plane and exposed above the fixture;

mounting the ribs for a ribbed ply in said fixture, in parallel to each other and with the upper edges of the ribs in a flat plane exposed above the fixture;

adhesively attaching the ply sheet to the first edges of said ribs; and

allowing the adhesive to cure and then removing the ply sheet and the ribs from the fixture.

6. (Withdrawn)